

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME Union Oil Company of California  
 ADDRESS Attn: John Zager  
 P.O. Box 196247  
 Anchorage, AK 99519-6247  
 FACILITY Trading Bay Production Facility  
 LOCATION Cook Inlet, Alaska

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

AKG-31-5002  
 PERMIT NUMBER  
 MONITORING PERIOD  
 YEAR 08 MO 05 DAY 01  
 TO YEAR 08 MO 05 DAY 31  
 DISCHARGE NUMBER 015

OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS (54-59)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS			
015 Produced Water Flow Rate	SAMPLE MEASUREMENT PERMIT REQUIREMENT	3.815972 Report	4.117638 Report	MGD					Weekly	Estimate
015 Produced Water Produced Sand	SAMPLE MEASUREMENT PERMIT REQUIREMENT					No Discharge			Weekly	Estimate
015 Produced Water pH	SAMPLE MEASUREMENT PERMIT REQUIREMENT						7	su	4 / Month	Grab
015 Flow Rate > 1 mgd	SAMPLE MEASUREMENT PERMIT REQUIREMENT						6	su	Weekly	Grab
015 Produced Water Oil and Grease	SAMPLE MEASUREMENT PERMIT REQUIREMENT						15	mg/l	Weekly	Grab Average
015 Produced Water Copper	SAMPLE MEASUREMENT PERMIT REQUIREMENT						29	mg/l	Weekly	Grab Average
015 Produced Water Manganese	SAMPLE MEASUREMENT PERMIT REQUIREMENT						5	ug/l	Monthly	Grab
015 Produced Water Mercury	SAMPLE MEASUREMENT PERMIT REQUIREMENT						47	ug/l	Monthly	Grab
015 Produced Water Silver	SAMPLE MEASUREMENT PERMIT REQUIREMENT						1	mg/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						25	ug/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						0.2	ug/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						0.6	ug/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						15	ug/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						23	ug/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						0.005	mg/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						0.005	mg/l	Monthly	Grab
015 Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT						0.9	mg/l	Monthly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John Zager  
 General Manager  
 Mid Continent/Alaska Business Unit

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF  
 Timothy Brandenburg  
 PRINCIPAL EXECUTIVE OFFICER  
 OR AUTHORIZED AGENT

TELEPHONE (907) 276-7600  
 AREA NUMBER YEAR MO DA  
 CODE 08 06 20

See Trading Bay Production Facility Page 3 of 3 for comments.

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

(2-16) AKG-31-5002  
 PERMIT NUMBER  
 MONITORING PERIOD  
 YEAR 08 MO 05 DAY 01  
 TO YEAR 08 MO 05 DAY 31  
 DISCHARGE NUMBER  
 015

OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (34-67)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (66-70)
		AVERAGE (46-53)	MAXIMUM (54-57)	UNITS	AVERAGE (46-53)	MAXIMUM (54-57)	UNITS			
015 Produced Water TAH	MEASUREMENT				8	8	mg/L		Monthly	Grab
015 Produced Water TAH	PERMIT REQUIREMENT				18	27	mg/L		Monthly	Grab
015 Produced Water TAH	SAMPLE				8	8	mg/L		Monthly	Grab
015 Produced Water Total Ammonia	MEASUREMENT				6.42	6.42	mg/l		Quarterly	Grab
015 Produced Water Total Ammonia	PERMIT REQUIREMENT				Report	Report	mg/l		Quarterly	Grab
015 Produced Water Total Ammonia	SAMPLE				143	143	TUC		Quarterly	Grab
015 Produced Water Whole Effluent Toxicity Mxilis sp. *	MEASUREMENT				283	568	TUC		Quarterly	Grab
015 Produced Water Whole Effluent Toxicity Dendroster excentricus	PERMIT REQUIREMENT				No Sample	No Sample	TUC		Annually	Grab
015 Produced Water Whole Effluent Toxicity Dendroster excentricus	SAMPLE				283	568	TUC		Annually	Grab
015 Produced Water Whole Effluent Toxicity Mendia beylina	PERMIT REQUIREMENT				No Sample	No Sample	TUC		Annually	Grab
015 Produced Water Whole Effluent Toxicity Mendia beylina	SAMPLE				283	568	TUC		Annually	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:										
John Zager General Manager Mid Continent/Alaska Business Unit										
TYPED OR PRINTED										
false information, including the possibility of fine and imprisonment for knowing violations.										
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.										
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
Timothy Brandenburg										
TELEPHONE										
(907) 276-7600										
DATE										
08 06 20										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										
*Identified as the most sensitive species.										

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

AKG-31-5002 PERMIT NUMBER		015 DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	TO
08	05	01	08
(20-21)		(22-23) (24-25)	
YEAR	MO	DAY	TO
08	05	31	08
(26-27)		(28-29) (30-31)	

NOTE: Read instructions before completing this form.

COMMENTS PAGE 3 OF 3

- \* Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.  
Estimated well completion fluid flow rate: 0.027405 MGD  
Estimated workover fluid flow rate: 0.035700 MGD
- \*\* Frequency of pH measurement has been increased to more closely monitor water quality.
- \*\*\* Per Permit instructions weekly samples consist of an average of 4 grab samples over a 24 hour period.


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John Zager  
General Manager  
Mid Continent/Alaska Business Unit

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Timothy Brandenburg  
PRINCIPAL EXECUTIVE OFFICER  
OR AUTHORIZED AGENT

TELEPHONE		DATE	
(907) 276-7600	08	06	20
AREA CODE	NUMBER	YEAR	MO DA